



# VISIONHITECH PRODUCT GUIDE 2016

- Network products
- HD Analogue (TVI, AHD)
- HD-SDI, EX-SDI



[www.visionhitechsecurity.com](http://www.visionhitechsecurity.com)



## Network Product

- 2MP New Entry Series IPC
- 2MP Ultra-Low light & Color IR series
- 2MP STARLUX Series IPC (2Q,2016)
- 3MP Ultra-Low light Series IPC
- NVR

## HD Analogue Product

- 720p AHD (AHD 1.0) Camera
- 1080p AHD (AHD 2.0) Camera
- 1080p TVI (30fps) Camera
- 1080p TVI (60fps) Camera
- AHD DVR
- TVI DVR

## HD-SDI / EX-SDI Product

- 2MP Ultra-Low light HD(EX) SDI Camera
- 2MP FHD High performance HD SDI Camera
- HYBRID DVR



## The most powerful IPC platform in global launched in 2016

- Adopted Ultra -low illuminance BIS sensor (Back-illuminated pixel technology )
- Triple streaming: 3MP@30fps+VGA@30fps+VGA@30fps
- Color Image under the 0.1Lux.
- Object Based Motion Detection (Improved noise filtering)
- Patent technology : SMART FOCUS
- Improved High Power LED with wide angle. (Extended product lifespan)
- Corridor View (H.264)
- LDC(Lens Distortion Correction)
- Tamper Alarm (Scene change detection, Masking and defocus alarm)
- Zero Configuration (Supported Apple Bonjour, Link-Local address)
- Surge protection (4KV)

### - TAMPER ALARM



### - 3D/2D DNR (Noise Reduction)



CONVENTIONAL

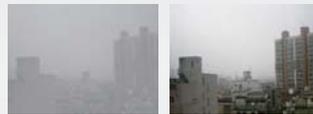
3DNR

### - Privacy zone Masking



MOSAIC EFFECT

### - Smart Defog



ORIGINAL (Low Contrast)

DEFOG ON (High Contrast)

### - Enhanced WDR



CONVENTIONAL

VISIONHITECH'S WDR

### - CORRIDOR VIEW



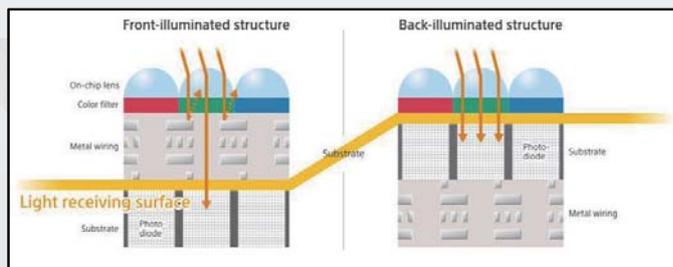
### - Long and Clear night time Visibility by Highpower LED



CONVENTIONAL IR-LED

INTELLIGENT IR-LED

※ Ultra -low illuminance BIS sensor (Back-illuminated pixel technology) provides higher sensitivity



The sensitivity performance has been extended from the visible light range to include the near-infrared range to support filming at night, which is essential for surveillance camera use. Back-illuminated CMOS image sensor with improved sensitivity and noise reduction

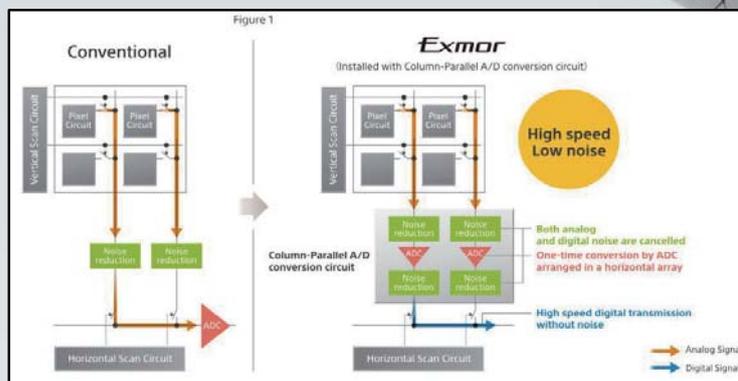
- The key factors to enhancing image quality, while radically realigning their fundamental pixel structure from front-illumination to back-illumination. It has retained the advantages of CMOS image sensors such as low power consumption and high-speed operation.

## ※ Higher Speed with Column-parallel A/D Conversion and Reducing Noise

The key to increased speed of Sony's CMOS Image Sensor Exmor can be found in parallel signal processing. CMOS image sensors have analog-digital(A/D) conversion circuits that convert analog pixel signals into digital signals(Figure 1). Speed is increased by arranging thousands of these circuits in a horizontal array and allowing them to operate simultaneously.

The A/D conversion circuits used in Sony's CMOS image sensors have important characteristics, including the reduced size of the analog circuits in which noise is created, and automatic noise cancellation.

This circuit design enables noise reduction to be combined with enhanced speed.

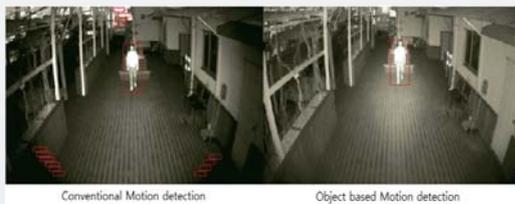


## ※ Triple streaming in real-time for Live-view, Record and Alarm

Supports truly fast triple video transmission streaming to all locations at the same time

- Real-time Live video monitoring in VGA video@30fps to the monitoring center
- Real-time Recording in 3MP video@30fps to the storage center
- Real-time event push in VGA video@30fps to mobile

## ※ Object based Motion detection



- Conventional (pixel based)motion detection Often a small contrast or noise between objects and background lead to high false rates and missed detections
- Object based motion detection, It leads to accurate object detection and secure high storage capacity by specific object-based algorithm.

## ※ Color image under 1Lux

Supports greatly enhanced low light capability with BIS technology adopted.

- Camera stays in color mode until the brightness comes down to under 1Lux, greatly improving object recognition capability for most of night time city surveillance environments.
- Extends IR life far longer than conventional cameras by turning IR on/off at 1Lux / 3Lux.

## ※ Comparison of illuminance

Conventional Sony Sensor    New XR Series IP sensor



3 Lux

Conventional Sony Sensor    New XR Series IP sensor



0.1 Lux

# Network Products (X series)

Another evolution of IP technology led by Visionhitech!! **VISION**

## 2MP New Entry version

### VNN10A51LR

\* 2 Megapixel IR Bullet Camera



- \* Full HD 1080p(25/30p)
- \* 4mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, IP67
- \* POE/DC12V

### VNI10A51LR

\* 2 Megapixel IR Dome Camera



- \* Full HD 1080p (25/30p)
- \* 4mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, Indoor
- \* POE/DC12V

### VNV50151X

\* 2 Megapixel Slim Vandal Dome Camera



- \* Full HD 1080p (25/30p)
- \* 3mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog
- \* POE/DC12V

### VNI10S51XR

\* 2 Megapixel IR Dome Camera



- \* Full HD 1080p (25/30p)
- \* 4mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, Indoor
- \* POE/DC12V

### VNN20S51XR

\* 2 Megapixel IR Bullet Camera



- \* Full HD 1080p (25/30p)
- \* 4mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 40M, IP67
- \* POE/DC12V

## 3MP New Ultra-low light version

### VNI10161XR

\* 3 Megapixel IR Dome Camera



- \* 3MP (2048x1536) (25/30p)
- \* 4mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, Indoor
- \* POE/DC12V

### VNN10161XR

\* 3 Megapixel IR Bullet Camera



- \* 3MP (2048x1536) (25/30p)
- \* 4mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, IP67
- \* POE/DC12V

### VNI80161XR

\* 3 Megapixel IR Dome Camera



- \* 3MP (2048x1536) (25/30p)
- \* 2.8mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, Indoor
- \* POE/DC12V

### VNI80164XR

\* 3 Megapixel IR Dome Camera



Smart Focus

- \* 3MP (2048x1536) (25/30p)
- \* 3~12mm(4x) SmartFocus
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, Indoor
- \* POE/DC12V

### VNV80164XR

\* 3 Megapixel IR Vandal dome Camera



Smart Focus

- \* 3MP (2048x1536) (25/30p)
- \* 3~12mm(4x) SmartFocus
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, IP66
- \* POE/DC12V

### VNN71164XR

\* 3 Megapixel IR Bullet Camera



Smart Focus

- \* 3MP (2048x1536) (25/30p)
- \* 5~60mm(12x) SmartFocus
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 70M, IP67
- \* POE/DC12V

### VNN61164XR

\* 3 Megapixel IR Bullet Camera



Smart Focus

- \* 3MP (2048x1536) (25/30p)
- \* 3~12mm(4x) SmartFocus
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 50M, IP67
- \* POE/DC12V

### VNV11164XR

\* 3 Megapixel IR Vandal dome Camera



Smart Focus

- \* 3MP (2048 x 1536) (25/30p)
- \* 3~12mm(4x) SmartFocus
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, IP66
- \* POE/DC12V

### VNV50161XR-I

\* 3 Megapixel IR Mini Vandal Indoor Dome camera



- \* 3MP (2048x1536) (25/30p)
- \* 2.8mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR20M, IP67
- \* Built in Mic
- \* POE/DC12V

### VNV50161XR-O

\* 3 Megapixel IR Mini Vandal Outdoor Dome Camera



- \* 3MP (2048x1536) (25/30p)
- \* 2.8mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog
- \* IR 20M, IP67
- \* POE/DC12V

### VNV80161XR

\* 3 Megapixel IR Vandal dome Camera



- \* 3MP (2048x1536) (25/30p)
- \* 2.8mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, IP66
- \* POE/DC12V

### Vision NVR C/S Software



- \* Server/Up to 64ch Recording
- \* Client
  - Up to 64ch Realtime Display
  - Up to 16ch Search/Playback
- \* Event Monitoring / E-map

# Network Products (T series)

Another evolution of IP technology led by Visionitech!! **VISION**

## 2MP New Low light version

### VN7XSM2Ti

\* 2 Megapixel IR Bullet Camera



Smart Focus

- \* Full HD 1080p (25/30p)
- \* 5~60mm (12x) SmartFocus
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 70M, IP67
- \* POE/DC12V

### VN6XSM2Ti

\* 2 Megapixel IR Bullet Camera



Smart Focus

- \* Full HD 1080p (25/30p)
- \* 3~10.5mm (3.5x) SmartFocus
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, IP67
- \* POE/DC12V

### VDA101SM2Ti-SFIR

\* 2 Megapixel IR Vandal Dome Camera



Smart Focus

- \* Full HD 1080p (25/30p)
- \* 3~10.5mm (3.5x) SmartFocus
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 30M, Vandalproof, IP66
- \* POE/DC12V

### VN10M2

\* 2 Megapixel IR Bullet Camera



- \* Full HD 1080p (25/30p)
- \* 4mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 20M, IP67
- \* POE/DC12V

### VD10M2

\* 2 Megapixel IR Dome Camera



- \* Full HD 1080p (25/30p)
- \* 4mm Megapixel board lens
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IR 20M, Indoor
- \* POE/DC12V

### VNN22153TR

\* 2 Megapixel IR VF Bullet Camera



- \* 1080p / 30fps
- \* 2.8~12mm VF MP lens
- \* ICR, 3DNR, Defog
- \* 20M IR Distance
- \* POE/DC12V
- \* IP67

### VHi

\* 2 Megapixel Covert Camera



- \* Full HD 1080p (25/30p)
- \* 3.7mm Pinhole lens (2.1mm board lens-option)
- \* Enhanced WDR performance
- \* 3DNR, Defog, 5M Cable
- \* Audio I/O, Alarm I/O \* POE/DC12V

### NVS202

\* 1ch Video Server (960H)



- \* 1ch (Encoder)
- \* Up to 25/30fps@960H
- \* Two way Audio, RS-485
- \* Micro SD slot
- \* POE/DC12V

### VPD202PM2Ti-IR

\* 2 Megapixel 20x IR PTZ Camera



- \* Full HD 1080p (25/30p)
- \* IR 150M, 12 sync with Zoom (10 levels)
- \* F4.7~94mm (20x), 12x Digital
- \* WDR (x128)
- \* IP66, Two way Audio
- \* DC12V/5A

### VPD200PM2Ti

\* 2 Megapixel 20x PTZ Camera



- \* Full HD 1080p (25/30p)
- \* F4.7~94mm (20x), 32x Digital
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IP66
- \* POE/DC12V/5A

### VPD101PM2Ti-O

\* 2 Megapixel 10x Mini PTZ Camera



- \* Full HD 1080p (25/30p)
- \* F5.1~51mm (10x), 32x Digital
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* IP66
- \* POE/DC12V/3A

### VC59SM2Ti

\* 2 Megapixel Box Camera



- \* Full HD 1080p (25/30p)
- \* Enhanced WDR performance
- \* 2+3DNR, Defog, ICR
- \* Indoor, Two Way Audio
- \* POE/DC12V

### VR04EP

\* Plug & Play NVR



- \* 4ch Embedded NVR
- \* POE : 4ch
- \* Support up to 9ch (4ch +5ch)
- \* Rec/Playback : 1080p@270fps
- \* H.264, 1x SATA HDD \* 1U compact case

### VR08EP

\* Plug & Play NVR



- \* 8ch Embedded NVR
- \* POE : 8ch
- \* Support up to 9ch (8ch +1ch)
- \* Rec / Playback : 1080p@270fps
- \* H.264, 2x SATA HDD \* 1.5U case

### VR16EP

\* Plug & Play NVR



- \* 16ch Embedded NVR
- \* POE : 8ch
- \* Support up to 9ch (8ch +8ch)
- \* Rec / Playback : 1080p@480fps
- \* H.264, 4x SATA HDD \* 1.5U case

### VR04SP

\* Plug & Play PoE NVR



- \* 4ch Embedded NVR
- \* POE : 4ch
- \* Recording up to 4ch (120fps/1080p)
- \* Local Monitoring (HDMI, VGA)
- \* H.264, 2x SATA HDD \* 1.5U case

### VR08SP

\* Plug & Play PoE NVR



- \* 8ch Embedded NVR
- \* POE : 4ch
- \* Recording up to 8ch (240fps/1080p)
- \* Local Monitoring (HDMI, VGA)
- \* H.264, 3x SATA HDD \* 1.5U case

### VR16SP

\* Plug & Play PoE NVR



- \* 16ch Embedded NVR
- \* POE : 4ch
- \* Recording up to 16ch (480fps/1080p)
- \* Local Monitoring (HDMI, VGA)
- \* H.264, 3x SATA HDD \* 1.5U case

### VR32SP

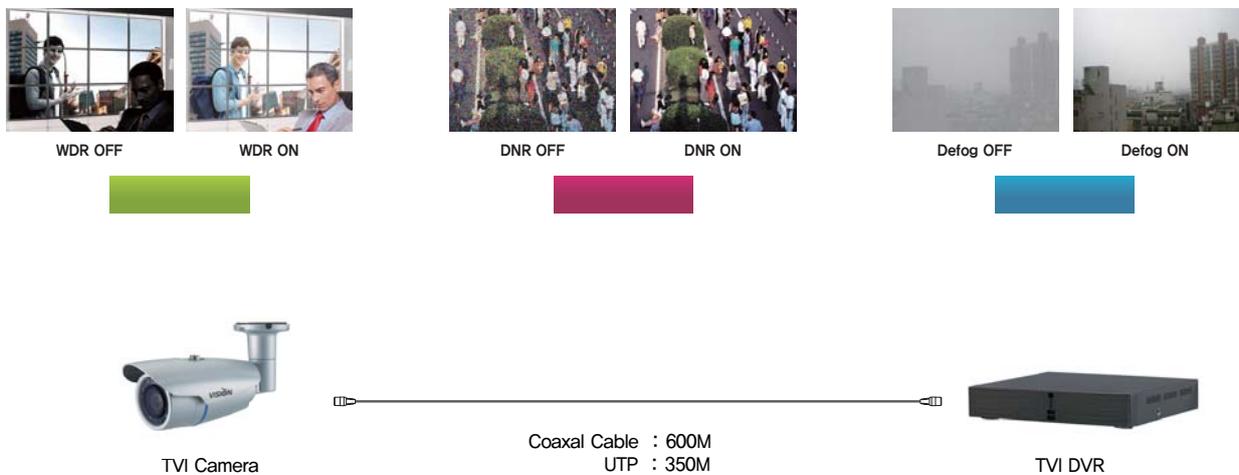
\* Plug & Play PoE NVR



- \* 32ch Embedded NVR \* PoE (8ch)-Option
- \* Live : 1080p/480fps, 720p/ 960fps
- \* REC : 1080p/480fps, 720p/ 960fps
- \* H.264, 6x SATA HDD
- \* Raid 5 / NAS Support \* 2U case

## Add on values over conventional HD cameras with Visionhitech's TVI technologies

- Support extremely high frame rate of 1080p@60fps FHD Resolution
- Realization of Full HD video transmission up to 600M over Coaxial cable, up to 350M over UTP without image degradation
- Ensure maximum Real WDR (x128 dB) for high contrast area surveillance
- Realtime 30fps live view & recording with 3DNR&WDR in operation
- Superior low light sensitivity at less noise greatly reduces HDD space
- High Light Compensation (HLC) for vehicle's plate recognition with Headlight on.



## Remarkable features on Visionhitech's TVI DVR

### Extensive Hybrid TVI/ HD-SDI/ Analogue

- \* Automatic detection of multiple camera resolutions (1080p/720p/960H/D1)

### Extraordinary performances out of Super Powerful SoC

- \* Real-time live and recording frame rates with Full HD Video (1080p/60fps) for all channels
- \* Preserve reliable forensic evidences through real-time all channel recordings in Full HD live video
- \* Individual frame rate and streaming adjustment (H.264 / MJPEG) per channel
- \* Extremely low streaming latency
- \* 2 way full duplex audio



### Highly enhanced failover prevention technologies by adopting

- \* User configurable dual recording (advanced mirroring)
- \* Dual Indexed file system (Extending the life cycle of HDD by the EVEN STRESS on the whole sectors)



### Extensive Storage capacity

- \* ESATA Storage extension for additional 5 x HDDs



### Smart Health checking (Fan speed/ failure, Temperature, HDD)

- \* Security control set-up for the access on cameras, live monitoring, playback, copy etc.



### Plenty of useful SMART features

- \* Panoramic search
- \* Direct AVI formation for Copy at search/ playback
- \* Adjustable resolution for different monitor (HDMI, VGA)
- \* Date/ Time adjustment by DST/NTP
- \* Linear D-zooming for live and playback



### Auto port forwarding (uPNP), DDNS

### Web based remote setup and view

- \* Remote Client viewer SW support
- \* Remotely configurable Resolution/ Image quality/ Frame rate etc
- \* Push video/ alarm to Smartphone (iOS/Android)



## 720p Models

### VAN51141ZR

\* AHD Compact IR Bullet Camera



- \* 720p / 30fps
- \* 3.6mm Megapixel Lens, ICR
- \* D-WDR, 3DNR, Defog
- \* 20M IR Distance
- \* IP67
- \* Dual Video Output (AHD & CVBS)

### VAN11141ZR

\* AHD Compact IR Bullet Camera



- \* 720p / 30fps
- \* 3.6mm Megapixel Lens, ICR
- \* D-WDR, 3DNR, Defog
- \* 20M IR Distance
- \* IP67

### VAP10255Z

\* Full HD AHD Mini PTZ Camera



- \* 1080p / 30fps
- \* 5.1~51mm (x10 Optical Zoom)
- \* WDR, ICR, 3DNR, Defog
- \* Outdoor
- \* DC12V
- \* IP66

### VAP20255C

\* AHD IR VF Bullet Camera



- \* 1080p / 30fps
- \* 4.7~94mm (x20 Optical Zoom)
- \* WDR, ICR, 3DNR, Defog
- \* Outdoor
- \* DC12V / AC24V
- \* IP67

## 1080p Models

### JAB59150Z

\* AHD Box Camera



- \* 1080p / 30fps
- \* C/CS Mount
- \* D-WDR, 3DNR, Defog
- \* OSD, Dual Video output (AHD&CVBS)

### JAN61153ZR

\* AHD IR VF Bullet Camera



- \* 1080p / 30fps
- \* 2.8~12mm VF MP lens, ICR
- \* D-WDR, 3DNR, Defog
- \* 30M IR Distance
- \* Focus & Zoom External Adjust \* IP67
- \* OSD, Dual Video output (AHD&CVBS)

### JAI80153ZR

\* AHD IR Indoor Dome Camera



- \* 1080p / 30fps
- \* 3.6mm Megapixel Lens, ICR
- \* D-WDR, 3DNR, Defog
- \* 20M IR Distance
- \* OSD, Dual Video output (AHD&CVBS)

### JAV80153ZR

\* AHD IR VF Vandal Dome Camera



- \* 1080p / 30fps
- \* 2.8~12mm VF MP lens, ICR
- \* D-WDR, 3DNR, Defog
- \* 20M IR Distance
- \* OSD, Dual Video output (AHD&CVBS)
- \* IP66

### VAN22151ZR

\* AHD IR Bullet Camera



- \* 1080p / 30fps
- \* 3.6mm Megapixel Lens, ICR
- \* D-WDR, 3DNR, Defog
- \* 20M IR Distance
- \* IP67

### VAN22153ZR

\* AHD IR VF Bullet Camera



- \* 1080p / 30fps
- \* 2.8~12mm VF MP lens, ICR
- \* D-WDR, 3DNR, Defog
- \* 20M IR Distance
- \* IP67

### VAI80151ZR

\* AHD IR Indoor Dome Camera



- \* 1080p / 30fps
- \* 3.6mm Megapixel Lens, ICR
- \* D-WDR, 3DNR, Defog
- \* 20M IR Distance
- \* Optional : Non IR

### VAI80153ZR

\* AHD IR VF Indoor Dome Camera



- \* 1080p / 30fps
- \* 2.8~12mm VF MP lens, ICR
- \* D-WDR, 3DNR, Defog
- \* 20M IR Distance
- \* IP66

### VAV80153ZR

\* AHD IR VF Vandal Dome Camera



- \* 1080p / 30fps
- \* 2.8~12mm VF MP lens, ICR
- \* D-WDR, 3DNR, Defog
- \* 20M IR Distance
- \* Outdoor
- \* IP66

## AHD Hybrid DVR

### VD04AH

\* 4CH AHD Real time Standalone DVR



- \* REC & PLAY BACK:1080p@60/50fps, 720p@120/100fps
- \* All channel real time live monitoring
- \* Support TVI,AHD,CVI,960H,SD
- \* Video IN : 4 BNC
- \* Audio : 4 in/1 out
- \* 1x SATA HDD
- \* DC12V/2A

### VD08AH

\* 8CH AHD Real time Standalone DVR



- \* REC & PLAY BACK:1080p@120/100fps, 720p@240/200fps
- \* All channel real time live monitoring
- \* Support TVI,AHD,CVI,960H,SD
- \* Video IN : 8 BNC
- \* Audio : 4 in/1 out
- \* 1x SATA HDD
- \* DC12V/2A

### VD16AH

\* 16CH AHD Real time Standalone DVR



- \* REC & PLAY BACK:1080p@240/200fps, 720p@480/400fps
- \* All channel real time live monitoring
- \* Support TVI,AHD,CVI,960H,SD
- \* Video IN : 16 BNC
- \* Audio : 4 in/1 out
- \* 2x SATA HDD
- \* DC12V/2A

## Entry Models

### VTN71153ZR

\* Full HD TVI IR VF Bullet Camera



- \* 1080p (25/30p), 720p (50/60p)
- \* 6~50mm VF MP lens, ICR
- \* Full HD w/350m over UTP
- \* 2+3DNR, Defog, HLC
- \* WDR
- \* IR 50M \* Optional : 6~22mm VF MP lens

### VTN31153ZR

\* Full HD TVI IR VF Bullet Camera



- \* 1080p (25/30p), 720p (50/60p)
- \* 2.8~12mm VF MP lens, ICR
- \* Full HD w/350m over UTP
- \* 2+3DNR, Defog, HLC
- \* WDR
- \* IR 30M

### VTN11151ZR

\* Full HD TVI Compact IR Bullet Camera



- \* 1080p (25/30p), 720p (50/60p)
- \* 3.6mm Megapixel Lens, ICR
- \* Full HD w/350m over UTP
- \* 2+3DNR, Defog, HLC
- \* WDR
- \* IR 15M

### VTI80151Z

\* Full HD TVI Indoor Dome Camera



- \* 1080p (25/30p), 720p (50/60p)
- \* 3.6mm Megapixel lens
- \* Full HD w/350m over UTP
- \* 2+3DNR, Defog, HLC
- \* WDR

### VTI80153ZR

\* Full HD TVI IR VF Dome Camera



- \* 1080p (25/30p), 720p (50/60p)
- \* 2.8~12mm VF MP lens, ICR
- \* Full HD w/350m over UTP
- \* 2+3DNR, Defog, HLC
- \* WDR
- \* IR 20M \* Optional : 3.6mm lens

### VTV80153ZR

\* Full HD TVI IR VF Vandal Dome Camera



- \* 1080p (25/30p), 720p (50/60p)
- \* 2.8~12mm VF MP lens, ICR
- \* Full HD w/350m over UTP
- \* 2+3DNR, Defog, ICR
- \* WDR \* IP66
- \* IR 20M \* Optional : 3.6mm lens

### VTB59150Z

\* Full HD TVI Box Camera



- \* 1080p (25/30p), 720p (50/60p)
- \* C/CS Mount
- \* Full HD w/350m over UTP
- \* 2+3DNR, Defog, ICR
- \* WDR
- \* IR 20M

### VTP10155Z

\* Full HD TVI Mini PTZ Camera



- \* 1080p (25/30p), 720p (50/60p)
- \* 10x (Optical) / 32x (Digital)
- \* Full HD w/350m over UTP
- \* 2+3DNR, Defog, HLC
- \* WDR
- \* IP66

## High-end Models

### VTN22251ZR

\* Full HD TVI IR Bullet Camera



- \* 1080p (50/60p), 720p (50/60p)
- \* 3.6mm Megapixel Lens, ICR
- \* Full HD w/350m over UTP
- \* Super low light sensitivity
- \* Smart Auto 3DNR, Defog, HLC
- \* Real WDR / 30fps \* IR 20M

### VTB59250Z

\* Full HD TVI Box Camera



- \* 1080p (50/60p), 720p (50/60p)
- \* C/CS Mount
- \* Full HD w/350m over UTP
- \* Super low light sensitivity
- \* Smart Auto 3DNR, Defog, HLC
- \* Real WDR / 30fps

### VTB01255Z

\* Full HD TVI 10x AF Box Camera



- \* 1080p (25/30p), 720p (50/60p)
- \* x10 AF Zoom (5.1~51mm)
- \* Full HD w/350m over UTP
- \* Super low light sensitivity
- \* Smart Auto 3DNR, Defog, HLC
- \* Real WDR / 30fps

### VTI80251ZR

\* Full HD TVI IR Indoor Dome Camera



- \* 1080p (50/60p), 720p (50/60p)
- \* 3.6mm Megapixel Lens, ICR
- \* Full HD w/350m over UTP
- \* Super low light sensitivity \* Real WDR/30fps
- \* Smart Auto 3DNR, Defog, HLC
- \* Optional: Non IR/3.6mm lens \* IR 20M

### VTI80253ZR

\* Full HD TVI IR VF Indoor Dome Camera



- \* 1080p (50/60p), 720p (50/60p)
- \* 2.8~12mm VF MP lens, ICR
- \* Full HD w/350m over UTP
- \* Super low light sensitivity
- \* Smart Auto 3DNR, Defog, HLC
- \* Real WDR / 30fps
- \* IR 20M

### VTV80251ZR

\* Full HD TVI IR Vandal Dome Camera



- \* 1080p (50/60p), 720p (50/60p)
- \* 3.6mm Megapixel Lens, ICR
- \* Full HD w/350m over UTP
- \* Super low light sensitivity
- \* Smart Auto 3DNR, Defog, HLC
- \* Real WDR / 30fps
- \* IR 20M

### VTV80253ZR

\* Full HD TVI IR VF Vandal Dome Camera



- \* 1080p (50/60p), 720p (50/60p)
- \* 2.8~12mm VF MP lens, ICR
- \* Full HD w/350m over UTP
- \* Super low light sensitivity
- \* Smart Auto 3DNR, Defog, HLC
- \* Real WDR / 30fps
- \* IR 20M

## TVI Hybrid DVR

### VD04AH

\* 4CH TVI Real time Standalone DVR



- \* REC & PLAYBACK : 1080p@60/50fps, 720p@120/100fps
- \* All channel real time live monitoring
- \* Support TVI,AHD,CVI,960H,SD
- \* Video IN : 4 BNC
- \* Audio : 4 in/1 out
- \* 1x SATA HDD
- \* DC12V/2A

### VD08AH

\* 8CH TVI Real time Standalone DVR



- \* REC & PLAYBACK : 1080p@120/100fps, 720p@240/200fps
- \* All channel real time live monitoring
- \* Support TVI,AHD,CVI,960H,SD
- \* Video IN : 8 BNC
- \* Audio : 4 in/1 out
- \* 1x SATA HDD
- \* DC12V/2A

### VD16AH

\* 16CH TVI Real time Standalone DVR

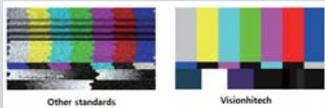


- \* REC & PLAYBACK : 1080p@240/200fps, 720p@480/400fps
- \* All channel real time live monitoring
- \* Support TVI,AHD,CVI,960H,SD
- \* Video IN : 16 BNC
- \* Audio : 4 in/1 out
- \* 2x SATA HDD
- \* DC12V/2A

## Advanced Ultra Low light HD-SDI / EX-SDI Camera

### New S54E series

- SONY Starvis 2Mega 60fps CMOS Sensor
- Enhanced WDR performance (Real WDR 30fps)
- High quality FHD video with full frame rate(EX-SDI)
- Wide Angle High Power LED
- Motorized Smart Focusing
- Ultra Low light Performance ( 0.01 Lux in color)
- FHD video transmission up to 400M (5C-HFBT)

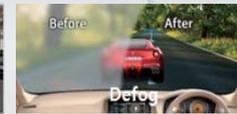


### Common features

- 2DNR/3 DNR (Noise Reduction)



- Defog function



- Enhanced WDR



### VHN61S54E

\* HD-SDI IR Bullet Camera

Full HD  
1080



Smart Focus

- \* 1080p(30/25p), 720p(60/50/30/25p)
- \* 3~12mm Smart Focus Lens
- \* Video : HDSDI, EXSDI
- \* WDR, 2+3DNR, Defog, ICR
- \* H/P LED, IR 30M
- \* 12VDC, IP67

### VHV11S54ER

\* HD-SDI Vandal IR Dome camera

Full HD  
1080



Smart Focus

- \* 1080p(30/25p),720p(60/50/30/25p)
- \* 3~12mm Smart Focus Lens
- \* Video : HDSDI, EXSDI
- \* WDR,2+3DNR, Defog, ICR
- \* H/P LED, IR 30M
- \* 12VDC, IP67

### VHV80S54ER

\* HD-SDI Compact Vandal IR Dome Camera

Full HD  
1080



Smart Focus

- \* 1080p(30/25p),720p(60/50/30/25p)
- \* 3~12mm Smart Focus Lens
- \* Video : HDSDI, EXSDI
- \* WDR,2+3DNR, Defog, ICR
- \* H/P LED, IR 20M
- \* 12VDC, IP66

### VHI80S54ER

\* HD-SDI Indoor IR Dome Camera

Full HD  
1080



Smart Focus

- \* 1080p(30/25p),720p(60/50/30/25p)
- \* 3~12mm Smart Focus Lens
- \* Video : HDSDI, EXSDI
- \* WDR,2+3DNR, Defog, ICR
- \* H/P LED, IR 20M
- \* 12VDC, Indoor

## Full HD High performance HD-SDI Camera

### SFHD2 Series

- 1/2.8" Sony 2.38MP Exmor CMOS Sensor
- High performance WDR without deteriorating Full frame rate
- 2DNR/3 DNR(Noise Reduction)
- Defog function
- Intelligent IR(PWM LED control) and Smart IR



Full HD  
1080



### VD80SFHD2-B40IR

\* HD-SDI IR Indoor Dome Camera



- \* 1080p(25/30p), 720p(50/60p)
- \* 4.0mm Megapixel Lens, ICR
- \* Enhanced WDR
- \* 2+3DNR, Defog
- \* IR 20M Distance
- \* 12VDC

\* VF version  
VD80SFHD2-V11IR

### VDA80SFHD2-B40IR

\* HD-SDI IR Indoor Dome Camera



- \* 1080p(25/30), 720p(50/60p)
- \* 4mm Megapixel Lens, ICR
- \* Enhanced WDR
- \* 2+3DNR, Defog
- \* 20M IR Distance
- \* 12VDC

\* VF version  
VDA80SFHD2-V11IR

### VDA101SFHD2-X3.5SFIR

\* HD-SDI IR Vandalproof Dome Camera



Smart Focus

- \* 1080p(25/30/50/60p), 720p(50/60p)
- \* 3.5x(3~10.5mm) Smart Focus, ICR
- \* Enhanced WDR
- \* 2+3DNR, Defog
- \* Hi-Power, 30M IR Distance
- \* 12VDC, IP66

### VN7XSFHD2

\* HD-SDI IR Vandalproof Dome Camera



Smart Focus

- \* 1080p(25/30/50/60p), 720p(50/60p)
- \* 10x(6~60mm) Smart Focus, True D/N (ICR)
- \* Enhanced WDR, Smart IR
- \* 2+3DNR, Defog
- \* Hi-Power, 50M IR Distance
- \* 12VDC, IP67

# HD-SDI Products

One place has them all **VISION**

## VC59SFHD2

\* HD-SDI Box Camera



- \* 1080p(30/25/50/60p), 720p(60/50p)
- \* WDR
- \* 2+3DNR, Defog
- \* 12DVC
- \* Indoor

## VN101SFHD2

\* HD-SDI Night Vision Camera



- \* 1080p(25/30p), 720p(50/60p)
- \* 4mm Megapixel Lens, True D/N (ICR)
- \* Enhanced WDR
- \* 2+3DNR, Defog
- \* 20M IR Distance
- \* 12VDC, IP67

## VN310SFHD2-V16IR

\* HD-SDI Night Vision Camera



- \* 1080p(25/30/50/60p), 720p(50/60p)
- \* 3.5~16mm Megapixel Lens, True D/N (ICR)
- \* Enhanced WDR, Smart IR
- \* 2+3DNR, Defog
- \* 30M IR Distance
- \* 12VDC, IP67

## VQ29SFHD2

\* HD-SDI Square Camera



- \* 1080p(25/30p), 720p(60/50p)
- \* 3.6mm Megapixel Lens (3~6mm VF, 4.3mm Pinhole Lens)
- \* WDR
- \* 2+3DNR, Defog
- \* 12DVC

## VRP102 / VRP102HDMI

\* 3G-SDI Repeater/Converter



- \* 100M extended distance
- \* 720p or 1080p
- \* VRP102 : 1x HD-SDI input, 2x HD-SDI output
- \* VRP102HDMI : 1x HD-SDI input, 1x HD-SDI output, 1x HDMI output

## VD04HP

\* 4CH HDSDI Hybrid Standalone DVR



- \* Live : 120/100fps (4ch)
- \* Recording : 120/100fps
- \* Video in : 4ch (BNC)
- \* Audio (4in/1out), I/O (4in/1out)
- \* Support (HDSDI, EXSDI, AHD, TVI, CVI, SDI, IP)
- \* 2 x SATA HDD \* DC12V, 1.5U case

## VD08HP

\* 8CH HDSDI Hybrid Standalone DVR



- \* Live : 240/200fps (8ch)
- \* Recording : 240/200fps
- \* Video in : 8ch (BNC)
- \* Audio (4in/1out), I/O (8in/1out)
- \* Support (HDSDI, EXSDI, AHD, TVI, CVI, SDI, IP)
- \* 2 x SATA HDD \* DC12V, 1.5U case

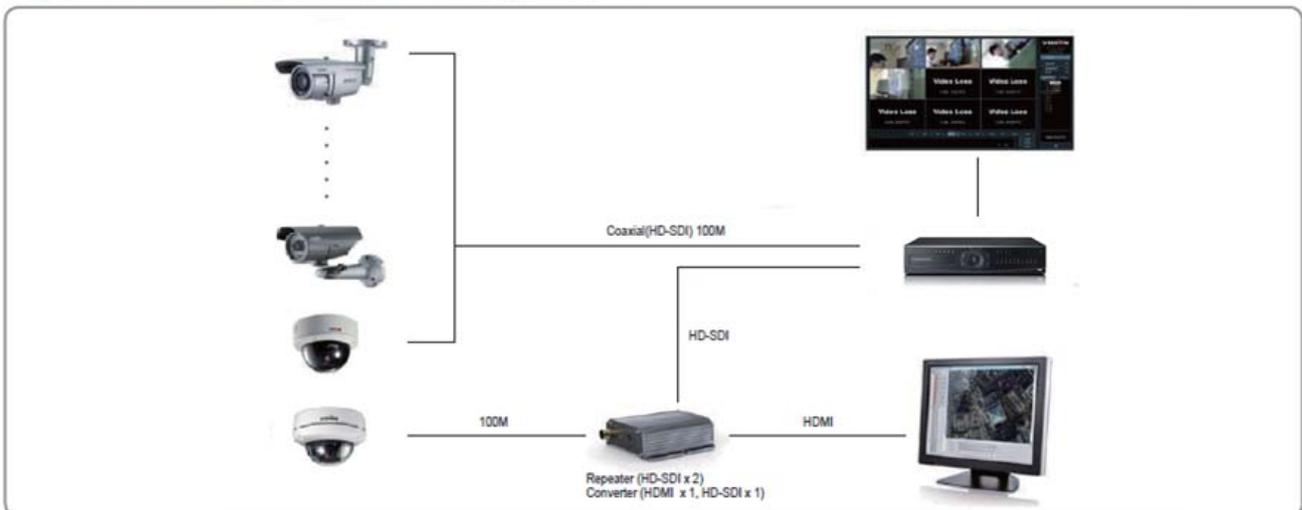
## VD16HP

\* 16CH HDSDI Hybrid Standalone DVR



- \* Live : 480/400fps (16ch)
- \* Recording : 120/100fps
- \* Video in : 16ch (BNC)
- \* Audio (4in/1out), I/O (16in/1out)
- \* Support (HDSDI, EXSDI, AHD, TVI, CVI, SDI, IP)
- \* 2 x SATA HDD \* DC12V, 1.5U case

# HD CCTV System Diagram



• Specifications (and design) are subject to change without prior notice.  
• R No. 2016-V1

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